

# EUROPEAN PATENT OFFICE

(as 2099 RT)

Patent Abstracts of Japan

PUBLICATION NUMBER : 06222317  
 PUBLICATION DATE : 12-08-94

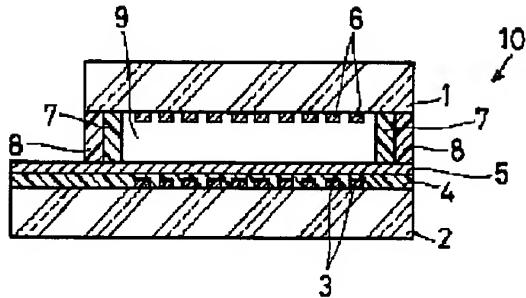
APPLICATION DATE : 26-01-93  
 APPLICATION NUMBER : 05010795

APPLICANT : SHARP CORP;

INVENTOR : WATANABE HIROSHI;

INT.CL. : G02F 1/13 G02F 1/1339

TITLE : PRODUCTION OF LIQUID CRYSTAL  
 DISPLAY ELEMENT



ABSTRACT : PURPOSE: To improve sealing strength without degrading merchandise value and to provide the liquid crystal display element having high reliability by forming an adhesive material layer in the outer peripheral part of a sealing material provided between substrates.

CONSTITUTION: Color filters 3 and an overcoating film 4 are formed on the common substrate 2. In succession, a common electrode 5 is formed and an oriented film is formed thereon. Segment electrodes 6 and the oriented film are formed on the segment substrate 1. Either of the substrates 1, 2 is printed with sealing materials 7 such as epoxy resin and substrates 1, 2 are stuck while facing the faces formed with the electrodes 5, 6. A pair of the substrates 1, 2 stuck to each other are thereafter cut to a prescribed shape and liquid crystal is injected between the substrates 1 and 2. The substrates are then sealed. The adhesive material consisting of an epoxy resin, etc., is infiltrated by capillarity between the substrates 1 and 2 in the outer peripheral part of the sealing material 7 to form the adhesive material layer 8.

COPYRIGHT: (C)1994,JPO&Japio